Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	01/10/2018 11:17 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124396	-1	1.96	124312	1.95
Blue	F	SSC	125000	123055	-2	2.89	123511	2.75
Blue	E	FITC	23615	22968	-3	3.08	1020	10.76
Blue	D	PE	26739	26235	-2	2.53	941	10.39
Blue	B	PerCP-Cy5-5	48339	47272	-3	3.77	1358	17.34
Blue	A	PE-Cy7	45021	44986	-1	5.56	696	37.42
Red	C	APC	53064	52607	-1	2.89	3033	9.81
Red	A	APC-Cy7	57175	56021	-3	3.03	1162	11.61
Violet	B	V450	14728	14175	-4	4.55	678	9.34
Violet	A	V500	58621	57152	-3	4.45	2520	6.76

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19539	3.02	608	-6	N/A	N/A	Pass
Blue	F	SSC	60778	1.90	551	5	N/A	N/A	Pass
Blue	E	FITC	114	41.86	547	-1	0.0198	262	Pass
Blue	D	PE	207	29.84	537	1	0.1419	216	Pass
Blue	B	PerCP-Cy5-5	211	47.22	636	1	0.0097	138	Pass
Blue	A	PE-Cy7	74	129.39	696	3	0.0107	19	Pass
Red	C	APC	347	28.36	602	5	0.0186	24	Pass
Red	A	APC-Cy7	127	43.53	585	5	0.0052	2049	Pass
Violet	B	V450	82	42.60	462	-8	0.0451	1904	Pass
Violet	A	V500	184	22.93	489	-8	0.0152	569	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.55	-31.07	0.95
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.35
Red	16.44	14.40 - 21.60	N/A	N/A	30.87	31.45	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 9733

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments